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PHOTOGRAPHIC INTERPRETATION REPORT

# MISSION COVERAGE INDEX MISSION 3226 17 MAY 1963

NPIC/R-1400/63 July 1963

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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#### **PREFACE**

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This is a report. Personnel receiving this report are cautioned that a strict need-to-know principle applies.

This Mission Coverage Index (MCI) lists targets of intelligence interest in China, Laos, and North Vietnam covered by aerial photographic material from Mission 3226, dated 17 May 1963. A target description, based on photographic interpretation, is included for each target, except for those in which no significant change was observed.

Targets are arranged by (1) country, (2) WAC area within the country, and (3) coordinates within the WAC area, reading from south to north and from west to east. Column headings and photo reference data are explained in the appendix. For the convenience of the recipient, a subject index, listing targets (1) by category, (2) by country within the category, and (3) alphabetically by place name within the country, has been included.

The recipient of this MCI is cautioned that the scan of photography from Mission 3226 was accomplished in a relatively short time and often without the aid of precise analytical and mensural equipment commonly employed in detailed photographic analysis. Consequently, although the information is essentially accurate, it may be altered somewhat by additional detailed analysis.

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NPIC/R-1400/63
Installation Numbers

		1	Installation Numbers	
City, Installation	Coordinates	WAC	BE	NPIC
-CHINA-  PAN-PENG-TSUN AREA, DAM UNDER CONSTRU  4 NM WEST OF PAN-PENG-TSUN ON THE N  (RIVER).	MING CHIANG	Ø615		3.1
LARGE EARTH-FILL DAM APPEARS COMPLE NO POWER FACILITIES OBSERVED.  HO-KOU AREA, MILITARY CAMP 1.5 NM NW OF HO-KOU AT UTM COORDINATES UK934925. MILITARY CAMP CONTAINS 16 BARRACKS	2232N 10357	E Ø616		26
T-SHAPED ADMINISTRATIVE, 3 H-SHAPED ADMINISTRATIVE, AND 18 STORAGE/SUPP RUILDINGS.  TU-LUNG-HSIN-CHIEH, MILITARY CAMP NW EDGE OF TU-LUNG-HSIN-CHIEH AT UT COORDINATES VL507334.	D PORT 2254N 10431 TM	E Ø616		25
SECURED MILITARY CAMP CONTAINS 9 BOOME ADMINISTRATIVE AND 5 SUPPORT BOOMESS HALL.  MA-LI-PO, PROBABLE STORAGE AREA NW EDGE OF MA-LI-PO AT UTM COORDINOVL711563. ROAD-SERVED AREA CONTAINS 31 PROBA	UILDINGS 9 2307N 10443	E 2616		24
STORAGE BUILDINGS.	002/10/16 : CIA-RDP69B00404R000300			

ì	City, Installation	1 _			Installat	Ilation Numbers	
	City, installation	Co	ordinates	WAC	BE	NPIC	
	NA-LUNGCHOU-YANG, ROAD  APPARENTLY COMPLETED ROAD OBSERVED THROUGH SCATTERED CLOUDS FROM NA-LUNG (23-14N 104-57E) TO CHOU YANG (23-14N 104-35E).	2314N	10457E	Ø616		17	
D				25)	1A		
	-LAOS-				<u> </u>		
D	BAN NAM BAC AIRFIELD  2 NM EAST OF BAN NAM BAC AT UTM COORDINATES TH341829.  2,625 X 100 FT E/W GRAVEL RUNWAY, PROBABLY SERVICEABLE. FACILITIES INCLUDE THREE SUPPORT BUILDINGS. AIRCRAFT NONE OBSERVED.	2Ø38N	10227E			101	
D	BAN NA DONE, MINING AND PROCESSING INDUSTRY WEST EDGE OF BAN NA DONE. INDUSTRY COMPRISES EXTENSIVE STRIP MINING AND 2 LARGE PROCESSING AND 6 LARGE STORAGE/SUPPORT BUILDINGS. WORKERS HOUSING OBSERVED BETWEEN BAN NA DONE AND MINING AREA.	1754N	10436E	Ø617		213	
0	BAN KOH CO AREA, STRONGPOINT IMMEDIATELY EAST OF BAN KOH CO AT UTM COORDINATES VE525983. PARTIALLY ENTRENCHED STRONGPOINT CONTAINS ONE SMALL T-SHAPED, ONE LARGE STORAGE, AND 5 OTHER SMALL BUILDINGS.	1804N	10433E	Ø617		451	

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City, Installation	Coo	rdinates	I ₩∆C <del></del>	BE NPI
BAN KEN THAO, LANDING STRIP IMMEDIATELY NW OF BAN KEN THAO AT COORDINATES QV555623. 2,150 X 140 FT E/W GRADED EARTH LA SERVICEABLE. AIRCRAFT NONE OBSERVED.		10123E	9677	105
PAKLAY AREA, LANDING STRIP IMMEDIATELY NORTH OF PAKLAY ON WES MEKONG RIVER AT UTM COORDINATES QJ 1,970 X 130 FT N/S SOD LANDING STR SERVICEABLE.	BANK OF 64164.	10125E	<b>2</b> 677	191
AIRCRAFT NONE OBSERVED.  MUONG PHIENG AREA, LANDING STRIP 11 NM WEST OF MUONG PHIENG AT UTM QB505135. 820 X 70 FT NE/SW EARTH LANDING ST SERVICEABLE.		10122E	2677 25X1A	104
AIRCRAFT NONE OBSERVED.			25/14	
MUONG SAMABOURY AIRFIELD  5 NM SSE OF MUONG SAMABOURY AT UT COORDINATES QB862300.  2,000 X 50 FT NNW/SSE LATERITE SUF SERVICEABLE, WITH 1,000 FT EXTENSI CONSTRUCTION AT SSE END. BARRACKS AREA WITH 14 BARRACKS OBS IMMEDIATELY EAST OF AIRFIELD, AND PROBABLE MILITARY SUPPORT BUILDING IMMEDIATELY SE AND NE OF AIRFIELD. OBLIQUITY PRECLUDES FURTHER INTERF AIRCRAFT NONE OBSERVED.	ACE RUNWAY, N UNDER  RVED UMEROUS OBSERVED	10143E		102

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	City, Installation		Coordinates		Installation Numbers	
-	City, Installation		TOMATOS	WAC	BE	NPIC
	-NORTH VIETNAM-  BAI CHAY AREA, NAVAL BASE IMMEDIATELY NORTH OF BAI CHAY AND ONE NM NW OF HON GAY AT UTM COORDINATES YJ148193. BASE CONTAINS 4 BARRACKS, 15 STORAGE/SUPPORT BUILDINGS, SMALL DRYDOCK, AND 4 TRUCKS ON	2Ø58N	10704E	Ø615		109-1
D	QUAY.  VESSELS — 3 PC (SUB-CHASERS) AND 5 SWATOW—  CLASS PGM.  HON GAY AREA, EXPLOSIVES STORAGE AREA  3 NM NNE OF HON GAY AND .5 NM NNE OF  KHO ONG LAO AT UTM COORDINATES VJ200230.  SECURED STORAGE AREA CONTAINS 10 REVETTED,  WELL-VENTILATED STORAGE BUILDINGS, ONE SMALL  REVETTED BUILDINGS, AND 3 ADMINISTRATIVE/  SUPPORT BUILDINGS.	2059N	10707E	Ø615		109-
D	BIEN SON AREA, MILITARY COMPLEX MILITARY COMPLEX COMPRISES 2 CAMPS 1.5 NM NORTH OF BIEN SON ON EAST AND WEST SIDES OF ROUTE 1.  AREA A (WEST SIDE OF ROUTE 1 AT UTM COORDINATES WH892215) 52 BARRACKS AND 39 STORAGE/SUPPORT, 6 ADMINISTRATIVE, AND 6 REVETTED, SECURED STORAGE BUILDINGS, ATHLETIC FIELD, EXTENSIVE TRENCHWORKS, AND INDIVIDUAL WEAPONS POSITIONS. NUMEROUS BUILDINGS IN SW CORNER OF AREA HAVE BEEN RAZED. WALL AND TRENCH, PARALLEL TO ROUTE 1, OBSERVED BETWEEN	2005N	10551E	Ø616		227

City, Installation	Coordinates	WAC	Installation Number		
,	Coolumates	"AC	BE	NP	
AREA B (EAST SIDE OF ROUTE 1 AT UTM COORDINATES WH907218) 50 BARRACKS, 53 STORAGE/SUPPORT AND 8 ADMINISTRATIVE BUILDINGS, DRIVER TRAINING AREA, AND EXTENSIVE TRENCHWORKS.					
QUANG SOUI AREA, MILITARY COMPLEX 2 NM ENE OF QUANG SOUI AT UTM COORDINATES WH96@286.  LARGE MILITARY COMPLEX COMPRISES 36 BARRACKS AND 5 ADMINISTRATIVE, 56 STORAGE/SUPPORT, ONE LARGE F-SHAPED, AND 25 MISCELLANEOUS BUILDINGS.  NUMEROUS TRENCHES AND INDIVIDUAL WEAPONS POSITIONS OBSERVED IMMEDIATELY SOUTH AND EAST OF COMPLEX.	2009N 10555	E 2616		257	
LANG CA AREA, MILITARY COMPLEX COMPLEX COMPRISES 2 MILITARY CAMPS IN LANG CA VICINITY.  CAMP A (I.5 NM SOUTH OF LANG CA AT UTM COORDINATES WH945307) 24 BARRACKS, 5 ADMINISTRATIVE, 26 STORAGE/SUPPORT, AND 5 POSSIBLE EXPLOSIVES STORAGE BUILDINGS, AND NUMEROUS PERSONNEL TRENCHES.  CAMP B (3. NM NW OF CAMP A AT UTM COORDINATES WH917327) 5 BARRACKS AND 6 STORAGE/SUPPORT BUILDINGS.	2010N 10554	E Ø616		231	

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	Cr. 1 . 11 . 1	Cardinata		Coordinates WAC		Installation Num	
	City, Installation		orainates	mac [	BE	NPIC	
5X1D	PHU LANG AREA, MILITARY CAMP  .5 NM NW OF PHU LANG AT UTM COORDINATES WH982335. RECTANGULARLY SHAPED, FENCED AREA, SURROUNDED BY MOAT, CONTAINS 6 LARGE BARRACKS, LARGE PROBABLE AUDITORIUM, AND 2 PROBABLE VEHICLE MAINTENANCE, 2 ADMINISTRATIVE—TYPE, 12 STORAGE—TYPE, AND 4 SUPPORT BUILDINGS. NO VEHICLES OR EQUIPMENT OBSERVED.	2Ø12N	10556E	Ø616		315	
	LAI CAC, MILITARY COMPLEX MILITARY COMPLEX COMPRISES 4 AREAS ALONG MAIN ROAD TO LAI CAC.  AREA A (.1 NM EAST OF LAI CAC AT UTM COORDINATES WH844375) 33 BARRACKS AND 8 SUPPORT AND 3 ADMINISTRATIVE BUILDINGS.  AREA B (.3 NM EAST OF LAI CAC AT UTM COORDINATES WH848375) 2Ø BARRACKS AND 8 SUPPORT AND 2 ADMINISTRATIVE BUILDINGS.  AREA C (.5 NM EAST OF LAI CAC AT UTM COORDINATES WH854375) 6 BARRACKS AND 3 SUPPORT BUILDINGS.  AREA D (1.7 NM ESE OF LAI CAC AT UTM COORDINATES WH87137Ø) 12 BARRACKS AND 14 STORAGE/SUPPORT, 2 STORAGE, AND ONE ADMINISTRATIVE BUILDING.	2014N	10549E	2616		222	
5X1D	NUMEROUS TRENCHES OBSERVED SCATTERED THROUGHOUT COMPLEX AND IN TRAINING AREA SE OF COMPLEX.						

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	City, Installation		Coordinates		Installation Numbers		
	,				BE	NPIC	
	NINH BINH AREA, PROB MILITARY ADMIN CENTER PROBABLE ADMINISTRATIVE CENTER COMPRISES 2 ADJACENT AREAS .7 NM SW OF NINH BINH AT UTM COORDINATES XH015392.	2015N	10558E	<b>Ø</b> 616		436-A	
	AREA A FENCED AREA WITH LARGE; MULTISTORIED; MULTIWINGED ADMINISTRATIVE BUILDING; 9 MULTISTORIED BARRACKS; AND ONE U-SHAPED AND 14 MISCELLANEOUS BUILDINGS;						
25X1D	AREA B MESS HALL AND 4 ADMINISTRATIVE AND 12 MISCELLANEOUS BUILDINGS.						
	THIET TRA AREA, MILITARY CAMP MILITARY CAMP COMPRISES 2 AREAS ON SOUTH AND NORTH SIDES OF ROAD 2 NM EAST OF THIET TRA.	2017N	10511E	Ø616		250	
	AREA A (SOUTH SIDE OF ROAD AT UTM COORDINATES WH203435) BARRACKS AREA WITH 15 BARRACKS AND ONE ADMINISTRATIVE AND 5 MISCELLANEOUS BUILDINGS.						
	AREA B (NORTH SIDE OF ROAD AT UTM COORDINATES WH202436) — SUPPORT AREA WITH 8 STORAGE, ONE ADMINISTRATIVE, AND 14 MISCELLANEOUS BUILDINGS AND ONE VEHICLE SHED.						
5X1D							
	HOAI AN AREA, EXPLOSIVES STORAGE AREA U/C APPROXIMATELY ONE NM NNE OF HOAI AN AT UTM COORDINATES WH548592.	2Ø26N	1Ø533E	Ø616		490	
	FENCED, ROAD-SERVED AREA, WITH 5 GUARD TOWERS AT PERIMETER, CONTAINS 11 LARGE, REVETTED STORAGE BUILDINGS UNDER CONSTRUCTION, 3 SMALL REVETTED BUILDINGS, AND 5 SUPPORT BUILDINGS.						

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	City, Installation	Coordinates	WAC	Installation	NPIC
25X1D	NO VEHICLES OBSERVED.  VAN DUC-XOM VE, ROAD IMPROVEMENT APPARENTLY DOUBLE-LANE, GRAVEL AND DIRT, DRY-WEATHER ROAD OBSERVED FROM APPROXIMATELY 3 NM EAST OF VAN DUC (20-30N 105-27E) TO LANG TIAO (20-35N 105-34E). NO CONSTRUCTION ACTIVITY OR EQUIPMENT	2030N 10524E	Ø616		391
25X1D	GBSERVED.				
	DONG BOT AREA, PROVINCIAL MILITARY CAMPS TWELVE SMALL PROVINCIAL MILITARY CAMPS ALONG PHU LY-HOA BINH ROAD BETWEEN CHO CAY (20-31N 105-45E) AND DONG TRANH (20-35N 105-42E) CONTAIN A TOTAL OF APPROXIMATELY 46 BARRACKS AND 5 STORAGE AND APPROXIMATELY 100 MISCELLANEOUS BUILDINGS.	2033N 10544E	2616		394
25X1D	HAI HA AREA, TRAINING AREA  APPROXIMATELY .4 NM WSW OF HAI HA AND  APPROXIMATELY ONE NM SE OF HAI HA AREA  STORAGE SITE AT UTM COORDINATES WH236792.  TRAINING AREA, APPROXIMATELY 1,300 ACRES IN  AREA, CONTAINS SMALL TRENCHES, AW POSITIONS,  AND DRIVER TRAINING AREAS.	2036N 10514E	Ø616		283-A
25X1D	NO VEHICLES OR EQUIPMENT OBSERVED.				

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1	City, Installation	Coor	dinates	WAC		on Numbers
1					BE	NPIC
	HAI HA AREA, STORAGE SITE ONE NM NE OF HAI HA AT UTM COORDINATES WH250818.	2Ø37N	10514E	2616		283
	ROUGHLY RECTANGULARLY SHAPED SITE, ENCIRCLED BY DOUBLE FENCE AND NARROW, PROBABLE FIREBREAK, CONTAINS 23 LARGE, SEMIREVETTED WAREHOUSES, 10 STORAGE-TYPE BUILDINGS, 8 BARRACKS, APPROXIMATELY 20 SMALL SUPPORT BUILDINGS, VEHICLE SHED, AND 9 TRUCKS. TWENTY PROBABLE STORAGE/HOUSING-TYPE BUILDINGS AND 2 BUILDING FOUNDATIONS OBSERVED ALONG ROAD ADJACENT TO SITE.					
25X1D	LANG GOA AREA, MILITARY CAMP ONE NM NORTH OF LANG GOA AT UTM COORDINATES WH692853.	2040N	10540E	Ø616		269
<b>2</b> 5X1D	MILITARY CAMP COMPRISES ADMINISTRATIVE BUILDING, 15 BARRACKS, 15 MISCELLANEOUS BUILDINGS, AND 6 FENCED STORAGE BUILDINGS.					
	XOM MAN AREA, MILITARY CAMP 1.5 NM ESE OF XOM MAN AT UTM COORDINATES WH274907. FENCED MILITARY CAMP CONTAINS 6 BARRACKS,	2043N	10516E	Ø616	,	285
1	H-SHAPED MESS HALL, 3 ADMINISTRATIVE, 19 STORAGE, AND 6 SMALL SUPPORT BUILDINGS, AND 3 BUILDINGS UNDER CONSTRUCTION. ADDITIONAL SUPPORT BUILDING OBSERVED OUTSIDE FENCED CAMP					
25X1D	AREA, AND TRAINING AREA OBSERVED AT NORTH EDGE OF CAMP.					
1	Approved For Release 2002/19/16 : CIA-RD	DEODOO 40	100030000	0011 2		

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			WAC	Installatio	on Numbers
City, Installation	Coo	rdinates	WAC	BE	NPIC
TIN YEN AREA, PROCESSING INDUSTRY  2 NM SSE OF TIN YEN.  WALLED, RAIL-SERVED PROCESSING PLANT CONTAINS  4 PROCESSING AND 16 ASSOCIATED BUILDINGS,  VERTICAL STORAGE TANK, TRAVELING CRANE,  EXTENSIVE OPEN STORAGE, AND 2 WATER SETTLING  BASINS.  UNLOADING FACILITIES ON EAST BANK OF RED KOI  HO (RED RIVER) INCLUDE 4 OVERHEAD CRANES.		105556	Ø616	BE	421
BARRACKS AREA OBSERVED IMMEDIATELY SOUTH OF PLANT.  THUONG LAM AREA, MILITARY CAMP CAMP COMPRISES 5 AREAS IN THUONG LAM VICINITY.  AREA A (1.5 NM NNW OF THUONG LAM AT UTM COORDINATES WJ695Ø18) BARRACKS AREA WITH	2Ø49N	10539E	Ø616		23ØA
15 BARRACKS, 9 VEHICLE SHEDS, AND 5 ADMINISTRATIVE AND 7 MISCELLANEOUS BUILDINGS.  AREA B (IMMEDIATELY NORTH OF AREA A) TRENCHES, WEAPONS POSITIONS, AND MOVING TARGET RANGE.  AREA C (ONE NM WEST OF THUONG LAM AT UTM					
COORDINATES W5687004) APPROXIMATELY 35 PROBABLE BARRACKS AND 3 ADMINISTRATIVE AND NUMEROUS SMALL BUILDINGS.  AREA D (EAST EDGE OF AREA C) TRAINING AREA WITH TRENCHES AND WEAPONS POSITIONS.					
AREA E (ONE NM WNW OF AREA A AT UTM COORDINATES WJ687004) DRIVER TRAINING AREA					

25X1D

				Installati	on Numbers
City, Installation	Coordina	ites	WAC	BE	NPIC
CONTAINING 15 BUILDINGS AND APPROXIMATELY 20 PARKED VEHICLES.		:			
HANOI, BARRACKS AND STORAGE AREA BAC MAI 2.1 NM SOUTH OF HANDI RR CLASSIFICATION YARD NEAR SE CORNER OF RUNWAY AT HANOI/BAC MAI AIRFIELD. AREA COMPRISES 2 SECTIONS, NORTH SECTION (UTM COORDINATES WJ874211) WITH 47 BARRACKS AND 15 STORAGE, ONE MULTISTORIED ADMINISTRATIVE, AND APPROXIMATELY 40 SUPPORT BUILDINGS, AND SECURED SOUTH SECTION (UTM COORDINATES WJ875206) WITH 20 BARRACKS (11 MULTISTORIED),	2059N 1	LØ55ØE	Ø616		112-Y
14 STORAGE BUILDINGS: MESS HALL, AND SEVERAL SUPPORT BUILDINGS:			25)	(1A	
NAM DINH COMPLEX COMPLEX, RIVER AND RAILROAD TRANSPORTATION CENTER, COMPRISES SEVERAL LIGHT INDUSTRIES, LARGE TEXTILE MILL, POL STORAGE AREA, AND RAILROAD YARD. HAZE AND SCATTERED CLOUDS PRECLUDE FURTHER INTERPRETATION.	2025N 1	10610E			236
NAM DINH AREA, ANTIAIRCRAFT DEFENSES FOUR OCCUPIED AAA SITES AND ONE PROBABLE AAA SITE (OCCUPANCY UNDETERMINED), EACH WITH 8 GUN POSITIONS, RADAR GUIDANCE EQUIPMENT, BARRACKS, STORAGE/MAINTENANCE BUILDINGS, AND REVETTED AMMUNITION STORAGE, OBSERVED AT FOLLOWING LOCATIONS	2025N 1	10610E	Ø616		236-F

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1	Co. L. H.	Coordinates	WAC	Installatio	n Numbers
	City, Installation	Coordinates	WAC	BE	NPIC
	COORDINATES XH219595。				
	SITE B 20-25-25N 106-11-30E AT UTM COORDINATES XH243584.				
	SITE C 20-24-00N 106-11-10E AT UTM COORDINATES XH278554.				
	SITE D 20-24-40N 106-10-10E AT UTM COORDINATES XH220573.				
25X1D	SITE E PROBABLE AAA SITE AT 20-25-50N 106-12-25E AND UTM COORDINATES XH259587。				
20/(10					
	NAM DINH AREA, MILITARY CAMP  ONE NM ESE OF NAM DINH AT UTM COORDINATES  XH248579.  TWO ADJACENT, SEPARATELY SECURED MILITARY  AREAS CONTAIN A TOTAL OF APPROXIMATELY 25  BARRACKS AND 3 ADMINISTRATIVE, 15 STORAGE,	2025N 10612E	Ø616		236-A
25X1D	AND APPROXIMATELY 5 MISCELLANEOUS BUILDINGS.				
	BAN POM LOT AREA; STRONGPOINT 6.5 NM SW OF BAN POM LOT AND 11 NM ENE OF HOUEI CHIK AT UTM COORDINATES TK833473. STRONGPOINT COMPRISES 9 BARRACKS AND ONE L—SHAPED ADMINISTRATIVE AND SEVERAL MISCELLANEOUS BUILDINGS.	2113N 1Ø254E	Ø616		346
25X1D	EXTENSIVE TRENCH NETWORK OBSERVED IN AREA.				

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1	City, Installation	Coordinates	. w	4.C	Installati	on Numbers
1			- "		BE	NPIC
1	BAN POM LOT AREA, MILITARY AREAS FOUR CLOSELY ASSOCIATED MILITARY AREAS .5 NM SOUTH OF BAN POM LOT.  AREA A (UTM COORDINATES TJ935555) 5	2118N 1Ø	381E Ø	616		105-6
1	WAREHOUSE-TYPE, 20 BARRACKS-TYPE, AND 8 ADMINISTRATIVE/SUPPORT BUILDINGS.  AREA B (UTM COORDINATES TJ934548) APPROXIMATELY 12 BARRACKS-TYPE AND 12 ADMINISTRATIVE/SUPPORT BUILDINGS OBSERVED IN CLOUD-FREE PORTION OF PHOTOGRAPHY.					
25X1D	AREA C (UTM COORDINATES TJ940545) APPROXIMATELY 25 BARRACKS-TYPE, 2 WAREHOUSE- TYPE, AND APPROXIMATELY 15 ADMINISTRATIVE/ SUPPORT-TYPE BUILDINGS.  AREA D (UTM COORDINATES TJ953575) 3 WAREHOUSES AND 10 BARRACKS-TYPE AND 5 ADMINISTRATIVE/SUPPORT BUILDINGS.					
25X1D	DIEN BIEN PHU, MILITARY COMPLEX APPROXIMATELY 9 MILITARY AREAS CONTAINING A TOTAL OF APPROXIMATELY 65 BARRACKS, 15 ADMINISTRATIVE, 17 STORAGE, AND 56 SUPPORT BUILDINGS, AND 8 VEHICLES OBSERVED WITHIN A 5 NM RADIUS OF DIEN BIEN PHU, EXCLUDING PORTION OF NW QUADRANT WHERE COVERAGE LIMITED TO ONE NM NW OF AIRFIELD.	2119N 1Ø	3Ø1E Ø6	516		105-D

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		WAC	Installatio	n Numbers
City, Installation	Coordinates	WAC	BE	NPIC
DIEN BIEN PHU-XUAN MAI, ROAD ROAD OBSERVED THROUGH SCATTERED CLOUDS FROM DIEN BIEN PHU TO APPROXIMATELY 21-05N 103-05E. NEW BRIDGE OBSERVED UNDER CONSTRUCTION AT UTM COORDINATES TJ928544. TWO VEHICLE CONVOYS OBSERVED ON ROAD, ONE WITH 5 VEHICLES AT UTM COORDINATES TJ900545 AND THE OTHER WITH 11	2119N 10301E	Ø616		105-F :
VEHICLES AT UTM COORDINATES TJ896547.		25	X1A	
DIEN BIEN PHU AIRFIELD	2123N 10301E			105-A
ONE NM NW OF DIEN BIEN PHU AT UTM COORDINATES TJ937669. 4,000 x 88 FT NNW/SSE CONCRETE/ASPHALT RUNWAY, SERVICEABLE. APPARENTLY OCCUPIED 4-GUN AAA POSITION OBSERVED ADJACENT TO SOUTH END OF RUNWAY. AIRCRAFT NONE OBSERVED.				
BAN NA NGAM AREA, MILITARY COMPLEX MILITARY COMPLEX COMPRISES 6 MILITARY AREAS ALONG DIEN BIEN PHU-TUAN GAO ROAD ON BOTH SIDES OF BAN NA NGAM.	213ØN 10306E	Ø616		348-A
AREA A (3.5 NM NORTH OF BAN NA NGAM AT UTM COORDINATES UJØ758Ø5) BARRACKS AREA WITH 4 BARRACKS AND 6 SUPPORT BUILDINGS.				
AREA B (2 NM NE OF BAN NA NGAM AT UTM COORDINATES UJØ65775) PROBABLE BARRACKS AREA WITH 12 PROBABLE BARRACKS AND ONE T-SHAPED ADMINISTRATIVE AND 15 ADMINISTRATIVE/SUPPORT BUILDINGS. EXTENSIVE TRENCHING AND FOXHOLES OBSERVED AROUND AREA.				

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	City, Installation	Coordinates	WAC	Installatio	on Numbers
	City, installation	Coordinates	""	BE	NPIC
	AREA C TONE NM EAST OF BAN NA NGAM AT UTM			•	
1	COORDINATES UJØ55755) BARRACKS AREA AND				
	MOTOR POOL CONTAINING 10 BARRACKS, ONE		ł		
	T-SHAPED ADMINISTRATIVE, 3 STORAGE, 5				
	ADMINISTRATIVE/SUPPORT, AND 6 VEHICLE				}
	MAINTENANCE/STORAGE BUILDINGS, AND				
	APPROXIMATELY 16 VEHICLES IN MOTOR POOL.				
	EXTENSIVE TRENCHING AND PERSONNEL POSITIONS				
	OBSERVED NORTH OF AREA ACROSS ROAD.				
	AREA D (.5 NM EAST OF BAN NA NGAM AT UTM				
	COORDINATES UJØ45775) PROBABLE HEADQUARTERS				
	AREA WITH 4 ADMINISTRATIVE AND 4 SUPPORT			ŀ	
	BUILDINGS.				
	AREA E (2 NM WSW OF BAN NA NGAM AT UTM				
	COORDINATES UJ005765) PROBABLE MAINTENANCE/				
	STORAGE AREA WITH 5 BUILDINGS.				
,	AREA F (4.5 NM SW OF BAN NA NGAM AT UTM				
וי	COORDINATES UJ980730) PROBABLE BARRACKS				
_	AREA WITH 3 BUILDINGS.				
l L					İ
ML	JONG ANG AREA: MILITARY AREAS	2131N 1Ø313E	Ø616		274
	MILITARY CAMP COMPRISING 5 AREAS IN MUONG ANG				
	VICINITY				
	AREA A (UTM COORDINATES UJ155792) STORAGE				
	AREA WITH LONG WAREHOUSE, 7 SMALLER			ĺ	
	BUILDINGS, AND OPEN STORAGE.				ļ
	AREA B (UTM COORDINATES UJ134773) PROBABLE				
	BARRACKS AREA WITH 8 PROBABLE BARRACKS AND 18				
	OTHER BUILDINGS.			E.	
	THE STREET HOUSE			ALL MINISTER AND	
	AREA C (UTM COORDINATES UJ15571@) BARRACKS			İ	

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	City, Installation	Coordinates	WAC	Installatio	n Numbers
	City, Installation	Coordinates	WAC	BE	NPIC
25X1D	AREA WITH 11 BARRACKS AND 3 ADMINISTRATIVE AND 4 UNIDENTIFIED BUILDINGS.  AREA D (UTM COORDINATES UJ171805) PROBABLE BARRACKS AREA WITH 12 PROBABLE BARRACKS, ONE T-SHAPED BUILDING, AND POSSIBLE MOTOR POOL.  AREA E (.2 NM SOUTH OF AREA D AT UTM COORDINATES UJ171804) PROBABLE BARRACKS AREA UNDER CONSTRUCTION WITH 8 PROBABLE AND 2 POSSIBLE NEW FOUNDATIONS.  TUAN GIAO AREA, MILITARY AREAS AREA A (1 NM NNE OF TUAN GIAO AT UTM COORDINATES UJ370885) APPROXIMATELY 12 BARRACKS AND 2 NEWLY CONSTRUCTED ADMINISTRATIVE AND AT LEAST 25 UNIDENTIFIED BUILDINGS.	2135N 1Ø325E			142 25X1A
25X1D	AREA B (.5 NM WEST OF TUAN GIAO ON SOUTH SIDE OF ROAD) 3 BARRACKS, ONE SUPPORT BUILDING, 2 BUILDINGS UNDER CONSTRUCTION, AND FENCE UNDER CONSTRUCTION ENCLOSING AREA.  AREA C (.5 NM SW OF TUAN GIAO ON NORTH SIDE OF ROAD) APPARENTLY SECURED AREA WITH 2 PROBABLE BARRACKS AND 4 STORAGE AND 8 SUPPORT BUILDINGS.  HANOI/BAC MAI AIRFIELD 1.2 NM SSW OF HANOI. 4,100 X 130 FT NW/SE CONCRETE RUNWAY, SERVICEABLE. FACILITIES INCLUDE TAXIWAY PARALLEL TO RUNWAY, CONCRETE PARKING APRON, PARTIALLY	2100N 10550E			113 25X1A

	<b>6</b> lt .	WAC	Installatio	n Numbers
City, Installation	Coordinates	WAC .	BE	NPIC
OBSCURED BY CLOUDS, NW OF RUNWAY, 2 HANGARS, APPROXIMATELY 200 BARRACKS/ADMINISTRATIVE/ STORAGE BUILDINGS, AND ONE 8-GUN AAA SITE (7 POSITIONS OCCUPIED) 1,200 FT WEST OF NW END OF RUNWAY.				
HANDI, ARMY BARRACKS SOUTH  1.4 NM SOUTH OF HANDI RR CLASSIFICATION YARD ON BOTH SIDES OF HANDI-NAM DINH RAILROAD LINE AT UTM COORDINATES W 1884224.  LARGE, IRREGULARLY SHAPED BARRACKS AREA	2100N 10551E	Ø616		112-
CONTAINS APPROXIMATELY 160 BARRACKS (35 MULTISTORIED): 10 ADMINISTRATIVE: 50 STORAGE, AND 25 SUPPORT BUILDINGS, PARADE GROUND/ATHLETIC FIELD: AND 15 PROBABLE TRUCKS.		25)	<b>(1A</b>	
HANDI COMPLEX  COMPLEX 85 PER CENT CLOUD COVERED。  APPROXIMATELY 90 PIECES OF ROLLING STOCK OBSERVED IN RAILROAD CLASSIFICATION YARD。NO UNUSUAL OR SIGNIFICANT ACTIVITY OBSERVED IN CLOUD-FREE AREAS。	2101N 10551E			112
HANOI-HOUEI HOUN PASS, ROAD IMPROVEMENT ACTIVITY APPARENT ON ROAD OBSERVED FROM TUNG GIAO (21-35N 103-25E) TO HOUEI HOUN PASS (21-13N 102-57E).	2101N 10551E	Ø616		112

	City, Installation		rdinates	WAC	Installa	tion Numbers
	City, Installation	Coo	rdinates	WAC	BE	NPIC
D	HANDI-LAO KAY, ROAD AND RAILROAD  NO ACTIVITY APPARENT ON ROAD OBSERVED FROM BAC BAN (22-14N 104-56E) TO LANG CUNG (22-24N 104-50E) AND FROM LAO KAY (22-30N 103-58E) TO TAI MA (22-26N 104-10E).  ON RAILROAD LINE OBSERVED FROM LANG SONG CA VICINITY (22-22N 104-09E) TO LAO KAY (22-30N 103-58E), 2 ENGINES AND 70 RAILROAD CARS VISIBLE, INCLUDING 18-CAR TRAIN HEADED NW AT 22-24N 104-05E.	21Ø1N	10551E	25)	(1A	112-J
D	HANDI RAILROAD CLASSIFICATION YARD APPROXIMATE CENTER OF HANDI. RAILROAD CLASSIFICATION YARD, 3,500 FT LONG AND 15 TRACKS WIDE, CONTAINS TURNTABLE, 2 CAR REPAIR SHOPS, STATION, 12 WAREHOUSES, 15 MISCELLANEOUS BUILDINGS, AND APPROXIMATELY 90 RAILROAD CARS.	21@1N	10551E			112-V
	HANOI, ARMY BARRACKS NGHIA DOI  1.8 NM NW OF HANOI RR CLASSIFICATION YARD AT  UTM COORDINATES WJ843264.  INSTALLATION CONTAINS PARADE GROUND, APPROXI-  MATELY 77 BARRACKS, 4 ADMINISTRATIVE, 70  STORAGE, AND 10 SUPPORT BUILDINGS, AND  OCCUPIED 8-GUN AAA SITE AT WEST EDGE.  NO VEHICLES OR OTHER EQUIPMENT OBSERVED.	2102N	1Ø548E	0616		112-Y6

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City, Installation	Coordinates	WAC		on Numbers
	Costomolos		BE	NPIC
HANOI-DONG HOI, ROAD AND RAILROAD APPARENTLY SERVICEABLE RAILROAD AND RO OBSERVED THROUGH SCATTERED-TO-HEAVY CLE FROM NAM DINH (20-25N 106-10E) SOUTH TO NORTH OF THANH HOA AT APPROXIMATELY 19-42N 105-48E.	DUDS	Ø616		112-29
TRAIN WITH 10 PROBABLE FREIGHT CARS AND POSSIBLE GONDOLA CARS AND POSSIBLE PASSIBLE	3			
LAO KAY, MILITARY COMPLEX MILITARY COMPLEX COMPRISES 5 AREAS IN 1 VICINITY.	2229N 10357E	Ø616		5-E
AREA A (UTM COORDINATES UK953883) STAREA COMPRISES 8 STORAGE BUILDINGS ENC. BY WALL WITH 2 GUARD TOWERS AND 3 SUPPLE BUILDINGS OUTSIDE WALL.	IRCLED			
AREA B (UTM COORDINATES UK948873) PA SECURED AREA WITH 4 POSSIBLE BARRACKS A ADMINISTRATIVE, 12 STORAGE, AND ONE SUI BUILDING.	AND ONE			
AREA C (UTM COORDINATES UK942869) 3 PROBABLE BARRACKS AND ONE L-SHAPED ADMINISTRATIVE, ONE T-SHAPED ADMINISTRA AND 6 STORAGE/SUPPORT BUILDINGS.	ATIVE,			
AREA D (UTM COORDINATES UK952859) PO MILITARY AREA WITH 2 BUILDINGS UNDER CONSTRUCTION AND 3 POSSIBLY ASSOCIATED BUILDINGS.	DSSIBLE			

ſ					Installat	ion Numbers
	City, Installation	Coor	dinates	WAC	BE	NPIC
X1D	AREA E (UTM COORDINATES UK946855) PARTIALLY SECURED AREA WITH ADMINISTRATIVE BUILDING, 2 BARRACKS, 2 SMALL SUPPORT BUILDINGS, TRENCHES, AND INDIVIDUAL WEAPONS POSITIONS.					
	LAO KAY AIRFIELD ONE NM SSE OF LAO KAY AT UTM COORDINATES	2229N	1Ø358E			5-A 25X1
V4D	UK948866. 2,800 X 550 FT NW/SE SOD RUNWAY, SERVICEABLE.					
X1D	LAO KAY COMPLEX COMPLEX, TRANSPORTATION CENTER ON RED KOI HO (RED RIVER), COMPRISES PRIMARILY LANDING STRIP, RAIL CLASSIFICATION YARD, THERMAL ELECTRIC POWER PLANT, SEVERAL SMALL BARRACKS,	2231N	1Ø359E			5
X1D	AND SEVERAL STORAGE AREAS.					
	LANG QUAN, PROBABLE MILITARY CAMP  NE EDGE OF LANG QUAN AT UTM COORDINATES  VK805597.  ROAD-SERVED MILITARY CAMP COMPRISES SQUARE,  FENCED AREA WITH 5 SUPPORT BUILDINGS AND 10  ASSOCIATED BUILDINGS OUTSIDE FENCED AREA.	2215N	10448E	Ø616		489
K1D	LANG NHON AREA, STORAGE SITE 1.4 NM NW OF LANG NHON AT UTM COORDINATES	2225N	10400E	Ø616		328-F
	UK993819.  PARTIALLY SECURED STORAGE SITE CONTAINS 6 MILITARY BARRACKS AND 4 SMALL BUILDINGS.  NO MOUNDS OR UNDERGROUND STORAGE OBSERVED.					

City, Installation		Coordinates		Installation Num	
City, Installation	Coord	dinates	WAC	BE	N
LANG VACH AREA: MINING ACTIVITY ONE NM WEST OF LANG VACH AT UTM COORDINATES UK973770. MINING ACTIVITY COMPRISES EXTENSIVE RAIL-SERVED OPEN PIT MINING WITH ADJACENT PROBABLE ORE PROCESSING FACILITY.	2225N	10402E	Ø616		33
THREE CRANES AND 7 TRUCKS OBSERVED IN AREA.					
LANG YANG COMPLEX COMPLEX, SMALL TRANSPORTATION AND AGRICULTURAL CENTER ON RED KAI HO (RED RIVER) AT UTM COORDINATES VK022804, COMPRISES SMALL RAILECAD YARD, SAWMILL AT SE EDGE, AND 2 STORAGE SITES ON NORTH SIDE. RAILECAD SPUR EXTENDS FROM LANG YANG, ACROSS RED KOI HO (RED RIVER), TO BAN THUONG (22-24N 104-01E).	2226N	10403E	2616		32
LANG QUANG-HOANG SU PHI, IMPROVED ROAD  ROAD OBSERVED THROUGH SCATTERED CLOUDS FROM LANG QUANG TO HOANG SU PHI. ROAD IMPROVEMENT APPEARS COMPLETED ON 11.5 NM LONG SEGMENT EXTENDING NW FROM LANG QUANG TO APPROXIMATELY 22-38N 104-44E. ON SEGMENT FROM 22-38N 104-44E TO HOANG SU PHI, IMPROVEMENT ACTIVITY OBSERVED ONLY ON PORTION EXTENDING ONE NM FROM 22-38N 104-44E.	223ØN	10452E	Ø616		39

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	City, institution		Coordinates		BE	NPIC
ONE SQ MI IN OF CLAIRE RIV INCLUDES APPE TYPE BUILDING	TARY COMPLEX SIDENTIAL COMPLEX, APPROXIMATE AREA AND SITUATED ON BOTH BAN VER AT UTM COORDINATES VL98524 ROXIMATELY 100 BARRACKS/STORAG SS IN AND ADJACENT TO URBAN AR ENCHING OBSERVED ONE NM SW OF	ELY NKS 45, GE-	10459E	Ø616		417
HA GIANG AREA, 3 NM NW DF H/ UL960286.	LANDING STRIP A GIANG AT UTM COORDINATES	2252N	1Ø458E	2616		417-
1,600 X 80 F SERVICEABLE.	NONE OBSERVED.					
PROCESSING AT	INH TUC. PRISES OPEN STRIP MINING WITH ND EXTENSIVE SUPPORT FACILITIE OBSERVED IN MINING AREA. DUDS PRECLUDE FURTHER	ORE	10552E	<b>2616</b>		293
INTERFRETATIO	ZIV o					
XL043343。	STRONGPOINT COC XAU AT UTM COORDINATES COMPRISES SEVERAL AW REVETMEN		10600E	Ø616		423

- [	Circ. L U			WAC	Installati	on Numbers
-	City, Installation	Coord	linates	WAC	BE	NPIC
D	COC XAU AREA, NEW ROAD CLOUD-FREE PORTIONS OF APPARENTLY COMPLETED, NATURAL-SURFACE ROAD OBSERVED FROM COC XAU TO APPROXIMATELY 22-57N 106-00E.	2255N	10600E	<b>2616</b>		423-
ן ט	DON CHUONG AREA, NEW ROAD DOUBLE-LANE, LOOSE-SURFACE, APPARENTLY	2255N	10603E	0616		423-
D	COMPLETED ROAD OBSERVED FROM DON CHUONG TO TERMINUS APPROXIMATELY .3 NM SOUTH OF CHINA-NORTH VIETNAM BORDER AT 22-59N 106-03E, WHERE SMALL BRIDGE OBSERVED UNDER CONSTRUCTION.					
	NA MA AREA, STRONGPOINT	2307N	10509E	Ø616		384
D	.5 NM SW OF NA MA AT UTM COORDINATES WL142558. STRONGPOINT COMPRISES OVAL TRENCHE SEVERAL AW POSITIONS, AND NUMEROUS OTHER TRENCHES.					
	KEO NEUA PASS AREA, BORDER OUTPOST APPROXIMATELY 1.2 NM EAST OF KEO NEUA PASS ON THE MAOS-NORTH VIETNAM BORDER AT UTM COORDINATES WF190333. OUTPOST COMPRISES 7 BUILDINGS, INCLUDING 2 PROBABLE BARRACKS.	1824N	10510E	Ø617		FIL
D	TREBABLE BARRACKS					
	KIM CUONG AREA, MILITARY STRONGPOINT 2.5 NM SW OF KIM CUONG AT UTM COORDINATES WF238376. ENTRENCHED STRONGPOINT CONTAINS 4 BARRACKS AND 3 SUPPORT BUILDINGS.	1825N	1Ø513E	Ø617		112
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		Coordinates		WAC	Installatio	n Numbers
	City, Installation		Coordinates		BE	NPIC
25X1D	KIM CUONG AREA, PROBABLE MILITARY CAMP  3 NM NORTH OF KIM CUONG AT UTM COORDINATES WF288455. MILITARY CAMP CONTAINS 3 PROBABLE BARRACKS AND 3 LARGE STORAGE-TYPE, 5 MEDIUM STORAGE, AND NUMEROUS SMALL ASSOCIATED BUILDINGS. UNIDENTIFIED CONSTRUCTION ACTIVITY OBSERVED IMMEDIATELY NORTH AND NW OF CAMP.	1826N	10514E	Ø617		112-8
25X1D	TIEN NONG AREA, MILITARY CAMP .7 NM NNW OF TIEN NONG AT UTM COORDINATES WF31Ø977. FENCED MILITARY CAMP CONTAINS 7 BARRACKS AND ONE ADMINISTRATIVE AND 5 STORAGE/SUPPORT RUILDINGS.	1858N	10517E	Ø617		283
25X1D	•					

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#### APPENDIX

# EXPLANATION OF COLUMN HEADINGS AND PHOTO REFERENCES

<u>City</u>, <u>Installation</u> -- This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. Where appropriate, the city and installation names are followed by a capsule description.

<u>Coordinates</u> -- Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

 $\underline{\text{WAC}}$  -- This column provides the World Aeronautical Chart number for the area in which the subject installation lies.

Installation Numbers -- This column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the target. The second subcolumn lists the installation number assigned by NPIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is an NPIC target number 0616-1 and an NPIC target number 0617-1. In each instance the NPIC installation number is 1, but the installations appear on different WACs.

The photo reference indicates frame(s) on which the target appears and conditions which affect interpretation of the target.

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